

Daikin Altherma low temperature monobloc

E(B/D)LQ-CV3 + EK(2)CB-CV3
+ EKMBUH3V3/9W1



- › Single phase reversible monobloc
- › Energy efficient heating and cooling system based on air to water heat pump technology
- › H₂O piping between outdoor unit and indoor heat emitters
- › Low energy bills and low CO₂ emissions
- › Eco-label certified
- › Built-in electric back-up heater as additional heating during extremely cold outdoor temperature
- › Inverter controlled swing compressor
- › Possible to combine with domestic hot water

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Single Unit				EDLQ/EBLQ	05CV3	07CV3	05CV3	07CV3
Heating capacity	Nom.				4.40 (1) / 4.03 (2)	7.00 (1) / 6.90 (2)	4.40 (1) / 4.03 (2)	7.00 (1) / 6.90 (2)
Cooling capacity	Nom.					-	3.88 (1) / 4.17 (2)	5.20 (1) / 5.36 (2)
Power input	Cooling	Nom.				-	0.950 (1) / 1.80 (2)	1.37 (1) / 2.34 (2)
	Heating	Nom.					0.880 (1) / 1.13 (2)	1.55 (1) / 2.02 (2)
COP					0.880 (1) / 1.13 (2)	1.55 (1) / 2.02 (2)	0.880 (1) / 1.13 (2)	1.55 (1) / 2.02 (2)
EER					5.00 (1) / 3.58 (2)	4.52 (1) / 3.42 (2)	5.00 (1) / 3.58 (2)	4.52 (1) / 3.42 (2)
Dimensions	Unit	Height	mm				735	
		Width	mm				1,090	
		Depth	mm				350	
Weight	Unit		kg	76.0	80.0	76.0	80.0	
Operation range	Heating	Water side	Min.-Max.	°C			15~55.0	
		Ambient	Min.-Max.	°CDB		---		10.0~43.0
	Cooling	Water side	Min.-Max.	°C				5.0~22.0
		Ambient	Min.-Max.	°CDB				-25.0~35.0
Refrigerant	Type/GWP			°C			25~80	
				°C				
Refrigerant	Charge			kg/TCO ₂ eq	1.3 / 2.7	1.5 / 3.0	1.3 / 2.7	1.5 / 3.0
				Control	Expansion valve (electronic type)			
Sound power level	Heating	Nom.		dBA			60	
	Cooling	Nom.		dBA		-		63.0
Sound pressure level	Heating	Nom.		dBA			50	
	Cooling	Nom.		dBA		-		50
Space heating	Average climate water outlet 55°C	General	η _s (Seasonal space heating efficiency)	%	125	126	125	126
			SCOP		3.20	3.22	3.20	3.22
	Average climate water outlet 35°C	General	Seasonal space heating eff. class			A++		
			η _s (Seasonal space heating efficiency)	%	172	163	172	163
			SCOP		4.39	4.14	4.39	4.14
			Seasonal space heating eff. class		A++			

(1) cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C)
(3) Contains fluorinated greenhouse gases

Wiring centre				EKCB07CV3	EK2CB07CV3
Dimensions	Unit	Height	mm		360
		Width	mm		340
		Depth	mm		97
Weight	Unit		kg		4
Operation range	Heating	Ambient	Min.-Max.		-
		Indoor installation	Min.	°CDB	5
			Max.	°CDB	35
Refrigerant	Charge			TCO ₂ eq	-
	Control				-
	GWP				-

Back-up heater kit				EKMBUH3V3	EKMBUH9W1
Dimensions	Unit	Height	mm		560
		Width	mm		250
		Depth	mm		210
Weight	Unit		kg	11	13
Operation range	Heating	Ambient	Min.-Max.		-
		Indoor installation	Min.	°CDB	5
			Max.	°CDB	30
Refrigerant	Charge			TCO ₂ eq	-
	Control				-
	GWP				-

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